

"Express Mail" Label No. EV 330853734US
Date of Deposit October 15, 2003

PATENT
Attorney Docket No.: 18062G-003211US
Client Reference No.: SF99-113-3

I hereby certify that this is being deposited with the United States Postal
Service "Express Mail Post Office to Address" service under 37 CFR 1.10
on the date indicated above and is addressed to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Jennifer L. Harris, et al.

Continuation of Application
No.: 09/866,132

Filed: May 25, 2001

For: PROFILING OF PROTEASE
SPECIFICITY USING
COMBINATORIAL FLUOROGENIC
SUBSTRATE LIBRARIES

Examiner: Leary, Louise N.

Art Unit: 1654

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Mail Stop: Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in Application No. 09/866,132, filed May 25, 2003 (Attorney Docket No. 18062G-003210US). It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

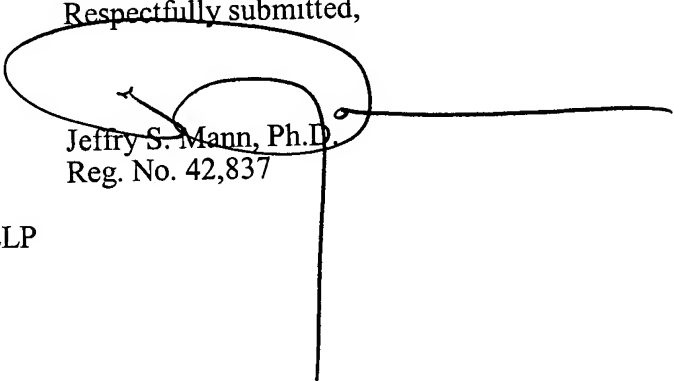
As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement.

However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Jeffrey S. Mann, Ph.D.
Reg. No. 42,837

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
Tel: 415-576-0200
Fax: 415-576-0300
JSM:kad
60005848 v1

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Page

1

of

Complete if Known

Application Number

Continuation of 09/866,132

Filing Date

May 25, 2001

First Named Inventor

Harris, Jennifer L., et. al.

Art Unit

1654

Examiner Name

Leary, Louise N.

Attorney Docket Number

18062G-003211US

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	AA	US 4,335,204		06-15-1982	Claeson, et al.	
	AB	US 4,448,715		05-15-1984	Ryan, et al.	
	AC	US 4,557,862		12-10-1985	Mangel, et al.	
	AD	US 4,568,636		02-04-1986	Svendsen, Lars G.	
	AE	US 4,640,893		02-03-1987	Mangel, et al.	
	AF	US 4,897,444 A		01-30-1990	Brynes, et al.	
	AG	US 5,079,144 A		01-07-1992	Carr, et al.	
	AH	US 5,089,634 A		02-18-1992	Powers, et al.	
	AI	US 5,872,207 A		02-16-1999	Morgan, et al.	
	AJ	US 5,342,970 A		08-30-1994	Chalom, et al.	
	AK	US 6,037,137		03-14-2000	Komoriya, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	AL	GB	2,324,529	A	10-28-1998	Merck & Co Inc.		<input type="checkbox"/>
	AM							<input type="checkbox"/>
	AN							<input type="checkbox"/>
	AO							<input type="checkbox"/>
	AP							<input type="checkbox"/>
	AQ							<input type="checkbox"/>
	BA							<input type="checkbox"/>
	BB							<input type="checkbox"/>

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Page **2**of **2****Complete if Known**

Application Number	09/866,132
Filing Date	May 25, 2001
First Named Inventor	Harris, Jennifer L., et. al.
Art Unit	1654
Examiner Name	Leary, Louise N.
Attorney Docket Number	18062G-003210US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	BC	Adamczyk, <i>et al.</i> "Resin-Supported Labeling Reagents" <i>Bioorganic & Medicinal Chemistry Letters</i> (1999) Vol. 9, pp. 217-220.	
	BD	Backes, <i>et al.</i> "An Alkanesulfonamide 'Safety-Catch' Linker for Solid-Phase Synthesis" <i>Journal of Organic Chemistry</i> (1999) Vol. 64, pp. 2322-2330.	
	BE	Backes, <i>et al.</i> "Synthesis of Positional-scanning Libraries of Fluorogenic Peptide Substates to Define the Extended Substrate Specificity of Plasmin and Thrombin" <i>Nature Biotechnology</i> (2000) Vol. 18, pp. 187-193.	
	BF	Del Nery, <i>et al.</i> , "Characterization of the Substrate Specificity of the Major Cysteine Protease Cruzipain) from <i>Trypanosoma cruzi</i> Using a Portion-Mixing Combinatorial Library and Fluorogenic Peptides," <i>Biochemical Journal</i> , 323:427-433 (1997)	
	BG	Harris, <i>et al.</i> "Rapid and General Profiling of Protease Specificity by Using Combinatorial Fluorogenic Substrate Libraries" <i>Proceedings of the National Academy of Sciences</i> (2000) Vol. 97(14) pp. 7754-7759.	
	BH	Lee, D. <i>et al.</i> "A Substrate Cominatorial Array for Caspases" <i>Bioorganic and Medicinal Chemistry Letters</i> (1999) Vol. 9, pp. 1667-1672.	
	BI	Morita, <i>et al.</i> "New Fluorogenic Substrates for α -Thrombin, Factor Xa, Kallikreins, and Urokinase" <i>Journal of Biochemistry</i> (1977) Vol. 82(5), pp. 1495-1498.	
	BJ	Rano, <i>et al.</i> "A Combinatorial Approach for Determining Protease Specificities: Application to Interleukin-1 β Converting Enzyme (ICE)" <i>Chemistry and Biology</i> (1997) Vol. 4, 149-155	
	BK	Sawada, <i>et al.</i> , "Substrate Specificity of Ascidian Sperm Trypsin-Like Proteases, Spermosin and Acrosin," <i>Molecular Reproduction and Development</i> , 45:240-243 (1996)	
	BL	Zimmerman, <i>et al.</i> "Sensitive Assays for Trypsin, Elastase, and Chymotrypsin Using New Fluorogenic Substrates" <i>Analytical Biochemistry</i> (1977) Vol. 78, pp. 47-51.	

Examiner
SignatureDate
Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.